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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number 09/915,231

Filing Date July 24, 2001

First Named Inventor FAN

Group Art Unit 1645 1634

Examiner Name Not Yet Assigned

Attorney Docket Number A-68929-6/DJB/RMS/DCF

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
W	1	4,200,110		Peterson et al.	4/1980	
	2	4,499,052		Fulwyler	2/1985	
	3	4,682,895		Costello	7/1987	
	4	4,785,814		Kane	11/1988	
	5	4,822,746		Walt	4/1989	
	6	4,824,789		Yafuso et al.	4/1989	
	7	4,999,306		Yafuso et al.	3/1991	
	8	5,002,867		Macevich	3/1991	
	9	5,028,545		Soini	7/1991	
	10	5,105,305		Betzig et al.	4/1992	
	11	5,114,864		Walt	5/1992	
	12	5,132,242		Cheung	7/1992	
	13	5,143,853		Walt	9/1992	
	14	5,194,300		Cheung	3/1993	
✓	15	5,244,636		Walt et al.	9/1993	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ² (if known)				
W	16	EP	0 269 764	A1	Molecular Biosystems, Inc.	6/1988		
	17	EP	0 392 546	A2	Drmanac et al.	10/1990		
	18	EP	0 478 319	A1	Kabushiki Kaisha Toshiba	4/1992		
	19	EP	0 723 146	A1	SRI International	7/1996		
	20	WO	89/11101	A1	Dynal A.S.	11/1989		
	21	WO	93/02360	A1	Transmed Biotech Incorporated	2/1993		
	22	WO	96/03212	A1	Brenner	2/1996		
	23	WO	97/14028	A2	Luminex Corp.	4/1997		
	24	WO	97/14928	A1	Brint, N.	4/1997		
	25	WO	97/40385	A1	Seul, M.	10/1997		
✓	26	WO	98/40726	A1	Trustees of Tufts College	9/1998		

Examiner
Signature

Walt

Date
Considered

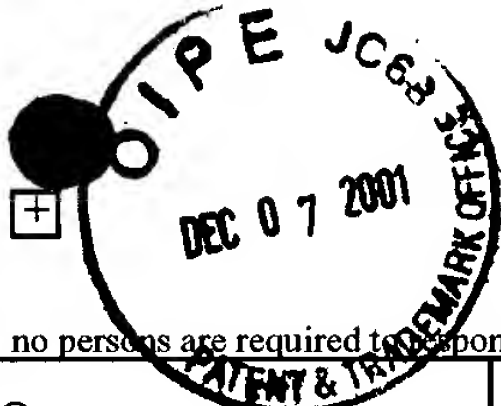
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known		
				Application Number	09/915,231	
				Filing Date	July 24, 2001	
				First Named Inventor	FAN	
				Group Art Unit	1645 1634	
Examiner Name	Not Yet Assigned					
Attorney Docket Number	A-68929-6/DJB/RMS/DCF					
Sheet	2	of	6			

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
W	27	5,244,813		Walt et al.	9/1993	
	28	5,250,264		Walt et al.	10/1993	
	29	5,252,494		Walt	10/1993	
	30	5,254,477		Walt	10/1993	
	31	5,298,741		Walt et al.	3/1994	
	32	5,302,509		Cheeseman	4/1994	
	33	5,320,814		Walt et al.	6/1994	
	34	5,357,590		Auracher	10/1994	
	35	5,380,489		Sutton et al.	1/1995	
	36	5,435,724		Goodman et al.	7/1995	
	37	5,474,895		Ishii et al.	12/1995	
	38	5,481,629		Tabuchi	1/1996	
	39	5,494,798		Gerdt et al.	2/1996	
	40	5,496,997		Pope	3/1996	
	41	5,512,490		Walt et al.	4/1996	
	42	5,516,635		Ekins et al.	5/1996	
✓	43	5,565,324		Still et al.	10/1996	

FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴	Kind Code ² (if known)				
W	44	WO	98/50782	A3	Trustees of Tufts College	11/1998	_____	
	45	WO	98/53093	A1	Bioarray Solutions LLC	11/1998	_____	
	46	WO	98/53300	A2	Lynx Therapeutics, Inc.	11/1998	_____	
	47	WO	99/18434	A1	Trustees of Tufts College	4/1999	_____	
	48	WO	99/60170	A1	Hyseq Inc.	11/1999	_____	
	49	WO	99/67414	A1	Glaxo Group Ltd.	12/1999	_____	
	50	WO	99/67641	A2	Illumina Inc.	12/1999	_____	
	51	WO	00/04372	A1	Univ. of Texas	1/2000	_____	
↓	52	WO	00/13004	A2	Trustees of Tufts College	3/2000	_____	

Examiner Signature		Date Considered	12/10/2002
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Filing Date	July 24, 2001
First Named Inventor	FAN
Group Art Unit	1645 / 634 TECH CENTER 1600/2900
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-68929-6/DJB/RMS/DCF

Sheet 3 of 6

U.S. PATENT DOCUMENTS

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W	53	5,573,909		Singer et al.	11/1996	
	54	5,575,849		Honda et al.	11/1996	
	55	5,633,972		Walt et al.	5/1997	
	56	5,639,603		Dower et al.	6/1997	
	57	5,656,241		Seifert et al.	8/1997	
	58	5,690,894		Pinkel et al.	11/1997	
	59	5,814,524		Walt	10/1998	
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	61	5,854,684		Stabile et al.	12/1998	
	62	5,863,708		Zanzucchi et al.	1/1999	
	63	5,888,723		Sutton et al.	3/1999	
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	65	6,023,540		Walt et al.	2/2000	
	66	5,679,524		Nikiforov et al.	10/1997	
	67	5,856,083		Chelsky et al.	01/1999	
✓	68	5,858,732		Solomon et al.	01/1999	

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W	69	WO	00/16101	A2	Trustees of Tufts College	3/2000		
	70	WO	00/39587	A1	Illumina Inc.	7/2000		
	71	WO	00/47996	A2	Illumina Inc.	8/2000		
	72	WO	00/48000	A1	Illumina Inc.	9/2000		
	73	WO	00/63437	A2	Illumina Inc.	10/2000		
	74	WO	00/71243	A1	Illumina Inc.	11/2000		
	75	WO	00/71995	A2	Illumina Inc.	11/2000		
	76	WO	00/75373	A2	Illumina Inc.	12/2000		
✓								

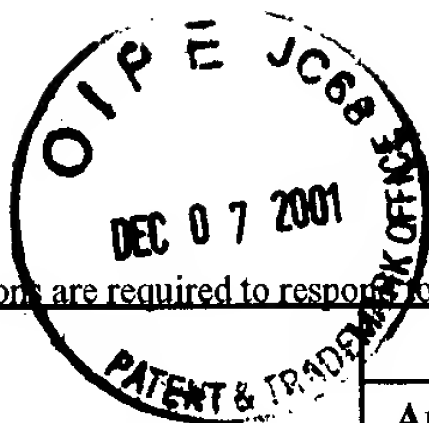
Examiner Signature	<i>Walt</i>	Date Considered	12/10/2002
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Sheet	4	of	6	Application Number	09/915,231
				Filing Date	July 24, 2001
				First Named Inventor	FAN
				Group Art Unit	1645 1634
				Examiner Name	Not Yet Assigned
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		Number	Kind Code ² (if known)			
u	77	6,013,456		Akgavan-Tafti	01/2000	
	78	6,051,380		Sosnowski et al.	04/2000	
	79	6,110,678		Weisburg et al.	08/2000	
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	81	6,083,763		Balch	07/2000	
	82	5,494,810		Barany et al.	02/1996	
	83	5,830,711		Barany et al.	11/1998	
	84	6,027,889		Barany et al.	02/2000	
	85	6,054,564		Barany et al.	0/2000	
	86	6,251,639	B1	Kurn	06/2001	
	87	6,268,148	B1	Barany et al.	07/2001	
	88	5,854,033		Lizardi	12/1998	
	89	5,554,516		Kacian et al.	09/1996	
	90	5,541,311		Dahlberg et al.	07/1996	
↓	91	5,660,988		Duck et al.	08/1997	

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		Office ³	Number ⁴	Kind Code ² (if known)				
u	92	WO	98/13523	A1	Pyrose Quencing AB	04/1998		
	93	WO	93/25563	A1	City of Hope	12/1993		
	94	WO	97/31256	A2	Cornell Research Foundation	08/1997		
	95	WO	00/58516	A2	Whitehead Institute for Biomedical Research	10/2000		
↓	96	WO	00/71992	A1	Illumina Inc.	11/2000		

Examiner Signature		Date Considered	12/10/2002
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				Application Number	09/915,231
				Filing Date	July 24, 2001
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				Group Art Unit	1645 1634
Examiner Name	Not Yet Assigned	TECH CENTER 1600/2900			
Sheet	5	of	6	Attorney Docket Number	A-68929-6/DJB/RMS/DCF

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
W	97	Abel et al., "Fiber-Optic Evanescent Wave Biosensor for the Detection of Oligonucleotides," Anal. Chem. 68:2905-2912 (1996).	
	98	Anonymous, "Microsphere Selection Guide," Bandg Laboratories, (Fisher, In) September 1998.	
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	101	Barnard et al., "A Fibre-Optic Chemical Sensor with Discrete Sensing Sites," Nature, 353:338-340 (September 1991).	
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	103	Czarnik, "Illuminating the SNP Genomic Code," Modern Drug Discovery, 1(2): 49-55 (1998).	
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	111	Healey et al., "Development of a Penicillin Biosensor Using a Single Optical Imaging Fiber," SPIE Proc. 2388:568-573 (1995).	
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✓	114	Iannone et al., "Multiplexed Single Nucleotide Polymorphism Genotyping by Oligonucleotide Ligation and Flow Cytometry," Cytometry, 39:131-140 (2000).	

Examiner Signature	<i>[Signature]</i>	Date Considered	12/10/2002
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Sheet 6 of 6

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ru	115	Michael et al., "Making Sensors out of Disarray: Optical Sensor Microarrays," Proc. SPIE, 3270: 34-41 (1998).	
	116	Michael et al., "Randomly Ordered Addressable High-Density Optical Sensor Arrays," Anal. Chem. 70(7): 1242-1248 (April 1998).	
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Examiner
Signature

ru

Date
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